

SECTION A-A SECTION THRU JUNCTION SLAB, BARRIER WALL INLET AND RETAINING WALL (TYPE 1 Junction Slab Shown, TYPE 2 Similar)

- Shear Keys in Junction Slab are required when GFRP bars are used for Dowel Transfer Devices and are optional with steel dowel bars. Tongue Slope on Shear Key must be constant and between 5° to 45° from horizontal.
- 6. Provide Organic Felt bond breaker on top and Expanded Polystyrene $(\frac{1}{5}" thick)$ on sides.
- 7. V-GROOVES: Construct $\frac{1}{2}$ " V-Grooves plumb and provide at 30'-0" maximum intervals as shown. Space V-Grooves equally between 3/4" Expansion Joints and/or Begin or End Junction Slab. V-Groove locations are to coincide with V-Groove locations in the Railing/Noise Wall.
- 8. FILL REQUIREMENTS: Shoulder or Roadway Pavement or Fill is required on top of the junction slab for its entire length on the traffic side of the Railing/Noise Wall. See Section B-B for details.
- Actual location & width vary depending on type of Retaining Wall used.
- 10. Field cut Bars 5A and 5B2 as required to maintain minimum cover for skewed Approach Slab.
- 11. Spacing shown is along the Gutter Line.
- 12. See Index 521-510 for Bars 5V and 2 ~ Bars 5S1. See Plans for Junction Slab width (TYPF).
- 13. Work this Index with Index 521-510 Concrete Barrier/Noise Wall (8'-0").

CROSS REFERENCE:

For Section B-B and Detail "A", see Sheet 2.

REVISION 11/01/17

DESCRIPTION:

FDOT

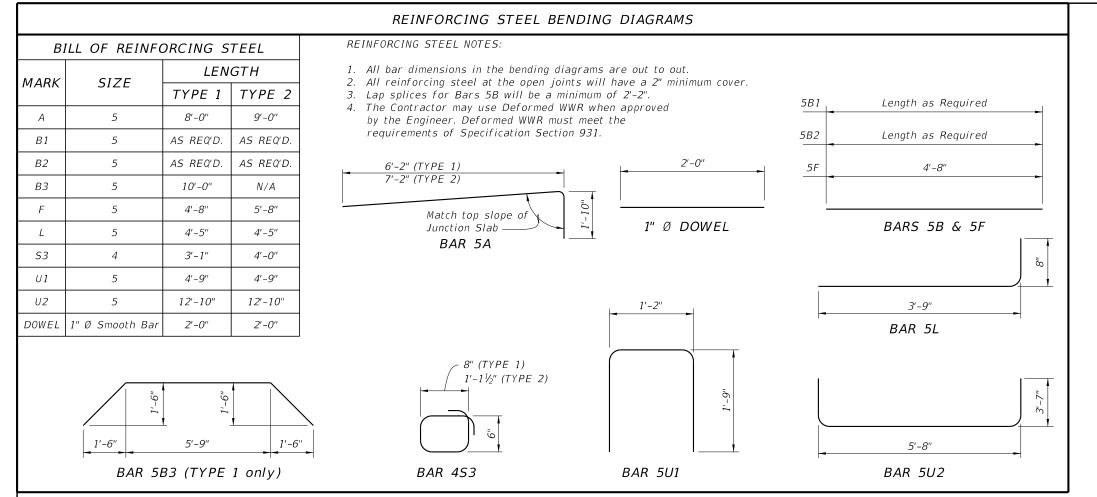
FY 2018-19 STANDARD PLANS

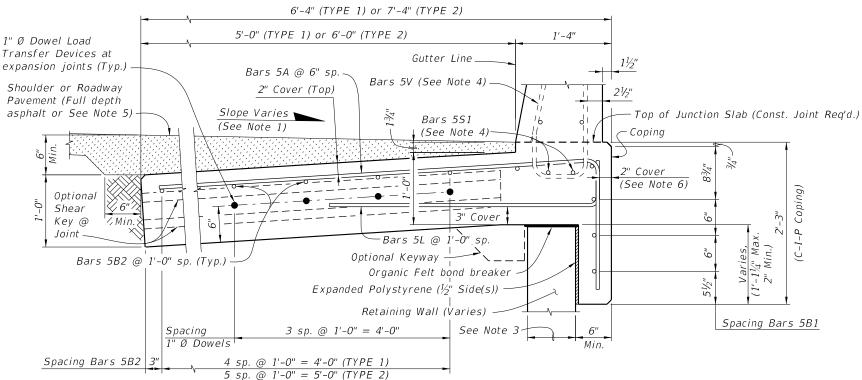
CONCRETE BARRIER/NOISE WALL (8'-0") JUNCTION SLAB

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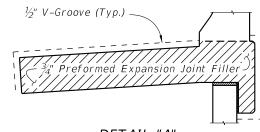
521-512

SHEET



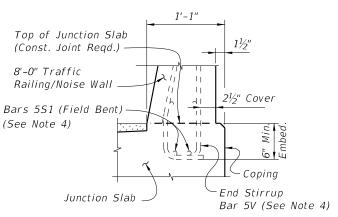


SECTION B-B TYPICAL SECTION THRU JUNCTION SLAB AND RETAINING WALL



DETAIL "A"

(Showing Locations of ½" V-Grooves and 3/4" Preformed Expansion Joint Filler)



PARTIAL END VIEW OF RAILING END TRANSITION FOR GUARDRAIL ATTACHMENT (Showing Bars 5V and Bars 5B1)

NOTE: See Index 521-510. Detail "A" for details.

ESTIMATED JUNCTION SLAB QUANTITIES			
ITEM	UNIT	QUANTITY	
		TYPE 1	TYPE 2
Concrete (Junction Slab)	CY/FT	0.268	0.305
Reinforcing Steel (Typical)	LB/FT	31.72	34.85
Additional Reinf. @ Expansion Joint	LB	21.36	21.36

NOTES:

- 1. Match Cross Slope of Travel Lane or Shoulder.
- 2. Vary Junction Slab slope based on roadway cross slope to maintain a minimum 6" asphalt depth at the edge of the slab as shown.
- 3. Actual width varies depending on type of Retaining Wall used.
- 4. See Index 521-510 for Bars 5V and Bars 5S1.
- 5. For Rigid Pavement (Concrete), Junction Slab may be thickened to match finished grade.
- 6. If slip forming is used, submit shop drawings for approval showing Expansion Joint support details and $2\frac{1}{2}$ " side cover with adjusted Typical Section dimensions.

CROSS REFERENCE:

For location of Section B-B, see Sheet 1.

REVISION 11/01/17

DESCRIPTION:

FDOT

FY 2018-19 STANDARD PLANS

CONCRETE BARRIER/NOISE WALL (8'-0")

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SHEET

JUNCTION SLAB